

13049 U.S. PTO  
121503

Applicant: Alexander C. Pummer and John E. Powers  
Filed: Decemeber 11, 2003  
Title: TELECOMMUNICATION SYSTEMS FOR PROVIDING CELLULAR SERVICE TO RF SHADOWS  
Express Mail Label No.: EE526390718US  
Agent's File Reference: 0317-01

PATENT  
22390 U.S. PTO  
10/736483  
121503

UTILITY PATENT APPLICATION TRANSMITTAL

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Mail Stop: PATENT APPLICATION

Sir:

Transmitted herewith for filing is a utility patent application as identified above. The application includes the following:

- ☒ Specification with claims, totaling 10 pages;
- ☒ Drawings with 8 figures, totaling 5 sheets;
- ☒ DECLARATION AND AUTHORIZATION OF AGENT, totaling 2 pages;
- ☒ Form PTO/SB/17—FEE TRANSMITTAL FOR FY 2004;
- ☒ Form PTO-2038—CREDIT CARD PAYMENT FORM;
- ☒ Form PTO-1595—RECORDATION FORM COVER SHEET;
- ☒ ASSIGNMENT;
- ☒ AUTHORIZATION OF AGENT; and
- ☒ Return Receipt Postcard.

Applicant is a small entity. The filing fee is \$385. There are no excess claims. Form PTO-2038 is enclosed to cover the filing fee.

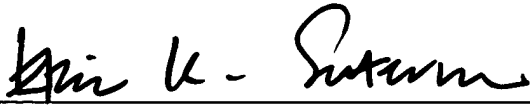
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Respectfully submitted,

Dated: December 15, 2003

  
Eric K. Satermo  
Registration No. 40,159



Applicant: **Alexander C. Pummer and John E. Powers**  
Filed: **Decemeber 11, 2003**  
Title: **TELECOMMUNICATION SYSTEMS FOR PROVIDING CELLULAR  
SERVICE TO RF SHADOWS**

Agent's File Reference: **0317-01**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10**

I hereby certify that on the date identified below, this paper and each paper listed below are being deposited with the United States Postal Service as with sufficient postage in an envelope addressed to:

Mailstop: PATENT APPLICATION  
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*Mailing label No.*

December 15, 2003

*Date*

*Eric K. Satermo*

*Signature*

Eric K. Satermo

*Typed or printed name of person signing Certificate*

*Each paper attached or enclosed:*

1. UTILITY PATENT APPLICATION TRANSMITTAL;
2. United States Utility Patent Application for TELECOMMUNICATION SYSTEMS FOR PROVIDING CELLULAR SERVICE TO RF SHADOWS (including 10 pages of Specification, Claims, and Abstract and 5 sheets of drawings);
3. DECLARATION AND AUTHORIZATION OF AGENT (2 pages);
4. Form PTO/SB/17—FEE TRANSMITTAL FOR FY 2004;
5. Form PTO-2038—CREDIT CARD PAYMENT FORM;
6. Form PTO-1595—RECORDATION FORM COVER SHEET;
7. ASSIGNMENT; and
8. AUTHORIZATION OF AGENT.



121503

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 425.00

**Complete if Known**

Application Number

Filing Date

First Named Inventor

Alexander C. Pummer et al.

Examiner Name

Art Unit

Attorney Docket No.

0317-01

**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
Deposit Account Name

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid           |
|----------------------------|----------------------------|------------------------|--------------------|
| 1001 770                   | 2001 385                   | Utility filing fee     | 385.00             |
| 1002 340                   | 2002 170                   | Design filing fee      |                    |
| 1003 530                   | 2003 265                   | Plant filing fee       |                    |
| 1004 770                   | 2004 385                   | Reissue filing fee     |                    |
| 1005 160                   | 2005 80                    | Provisional filing fee |                    |
| <b>SUBTOTAL (1)</b>        |                            |                        | <b>(\$) 385.00</b> |

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 20                 | -20** = 0    | 0              | 0        |
| Independent Claims | 2            | -3** = 0       | 0        |
| Multiple Dependent |              |                |          |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 1202 18                    | 2202 9                     | Claims in excess of 20                                     |
| 1201 86                    | 2201 43                    | Independent claims in excess of 3                          |
| 1203 290                   | 2203 145                   | Multiple dependent claim, if not paid                      |
| 1204 86                    | 2204 43                    | ** Reissue independent claims over original patent         |
| 1205 18                    | 2205 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1051 130                   | 2051 65                    | Surcharge - late filing fee or oath  |          |
| 1052 50                    | 2052 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130                   | 1053 130                   | Non-English specification  |          |
| 1812 2,520                 | 1812 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |          |
| 1804 920*                  | 1804 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840*                | 1805 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 1251 110                   | 2251 55                    | Extension for reply within first month                                     |          |
| 1252 420                   | 2252 210                   | Extension for reply within second month                                    |          |
| 1253 950                   | 2253 475                   | Extension for reply within third month                                     |          |
| 1254 1,480                 | 2254 740                   | Extension for reply within fourth month                                    |          |
| 1255 2,010                 | 2255 1,005                 | Extension for reply within fifth month                                     |          |
| 1401 330                   | 2401 165                   | Notice of Appeal   |          |
| 1402 330                   | 2402 165                   | Filing a brief in support of an appeal                                     |          |
| 1403 290                   | 2403 145                   | Request for oral hearing   |          |
| 1451 1,510                 | 1451 1,510                 | Petition to institute a public use proceeding                              |          |
| 1452 110                   | 2452 55                    | Petition to revive - unavoidable   |          |
| 1453 1,330                 | 2453 665                   | Petition to revive - unintentional   |          |
| 1501 1,330                 | 2501 665                   | Utility issue fee (or reissue)   |          |
| 1502 480                   | 2502 240                   | Design issue fee   |          |
| 1503 640                   | 2503 320                   | Plant issue fee  |          |
| 1460 130                   | 1460 130                   | Petitions to the Commissioner  |          |
| 1807 50                    | 1807 50                    | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180                   | 1806 180                   | Submission of Information Disclosure Stmt                                  |          |
| 8021 40                    | 8021 40                    | Recording each patent assignment per property (times number of properties) | 40.00    |
| 1809 770                   | 2809 385                   | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810 770                   | 2810 385                   | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801 770                   | 2801 385                   | Request for Continued Examination (RCE)                                    |          |
| 1802 900                   | 1802 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) 40.00**SUBMITTED BY**

|                   |                 |                                   |            |           |              |
|-------------------|-----------------|-----------------------------------|------------|-----------|--------------|
| Name (Print/Type) | Eric K. Satermo | Registration No. (Attorney/Agent) | 40,159     | Telephone | 949-752-9525 |
| Signature         |                 | Date                              | 12-15-2003 |           |              |

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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